

Human Endoglin/CD105 ELISA Kit | CD105 elisa kit

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CATALOG #
AAA258335

REACTIVITY
Human

PRODUCT SYNONYMS

Endoglin/CD105; Human Endoglin/CD105 ELISA Kit; Endoglin/CD105 ELISA Kit; Human; endoglin; END ELISA Kit; HHT1 ELISA Kit; ORW1 ELISA Kit; CD105 elisa kit

PRODUCT SPECIFICATIONS

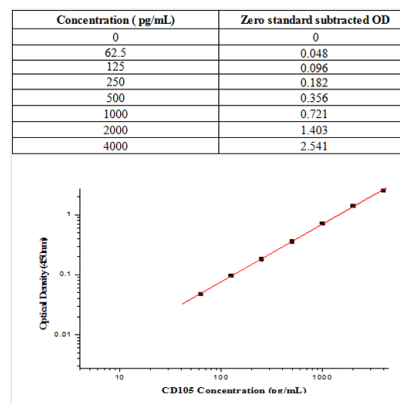
Reactivity	Human
Specificity	For the quantitative determination of Human Endoglin/CD105 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	62.5-4000pg/mL
Sensitivity	36.27pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
INHBA	ACVR2A	ACVR2B	ALK3
HG3C-ALK6	BMP2	BMP4	BMP5
FST(FS288)	FST(FS315)	TGFβ1	TGFβ2
TGFBR3	TGFBR1	TGFBR2	IL1
IL2	IL33	IL10	IL8
PDGF	TNF-α	IL4	IL6
IFN-γ	VEGF	MIP-1β	TIMP1
TIMP2	GM-CSF	SCF	
Recombinant mouse			
CD105			

Application Data

This assay recognizes both recombinant and natural Human CD105. The factors listed below were prepared at 50ng/mL or 100ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CD105 elisa kit	This Endoglin/CD105 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Endoglin/CD105 protein in Serum. It contains recombinant Human Endoglin/CD105, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Endoglin, also known as CD105, is a type I homodimeric transmembrane glycoprotein with a large, disulfide-linked, extracellular region and a short, constitutively phosphorylated cytoplasmic tail. Endoglin contains an RGD tripeptide which is a key recognition structure in cellular adhesion, , suggesting a critical role for endoglin in the binding of endothelial cells to integrins and/or other RGD receptors. Endoglin is highly expressed on vascular endothelial cells, chondrocytes, and syncytiotrophoblasts of term placenta. It is also found on activated monocytes, mesenchymal stem cells and leukemic cells of lymphoid and myeloid lineages. As an accessory receptor for the TGF-beta superfamily ligands, endoglin binds TGF-beta1 and TGF-beta3 with high affinity not by itself but by associating with TGF-beta type II receptor (TbetaRII) and activates the downstream signal pathways. In addition, in human umbilical vein endothelial cells, ALK-1 is also a receptor kinase for endoglin threonine phosphorylation, and mutations in either of the two genes result in the autosomal-dominant vascular dysplasia, hereditary hemorrhagic telangiectasia (HHT). Endoglin has been regarded as a powerful biomarker of neovascularization, and is associated with several solid tumor types.
References	Bellon T., et al., (1993), Identification and expression of two forms of the human transforming growth factor-beta-binding protein endoglin with distinct cytoplasmic regions. Eur. J. Immunol. 23:2340-2345. Humphray S.J., et al., (2004), DNA sequence and analysis of human chromosome 9.Nature 429:369-374. Gougos A., et al., (1990), Primary structure of endoglin, an RGD-containing glycoprotein of human endothelial cells.J. Biol. Chem. 265:8361-8364.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/endoglin-cd105/258335>